### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

#### (19) World Intellectual Property Organization International Bureau





## (43) International Publication Date 7 July 2005 (07.07.2005)

PCT

# (10) International Publication Number WO 2005/061112 A1

(51) International Patent Classification<sup>7</sup>: B01J 19/00, G01N 23/20

B01L 3/02,

(21) International Application Number:

PCT/JP2004/019716

(22) International Filing Date:

22 December 2004 (22.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

•

2003-424994 2004-277678

22 December 2003 (22.12.2003) JI 24 September 2004 (24.09.2004) JI

- (71) Applicant (for all, designated States except US): CANON KABUSHIKI KAISHA [JP/JP]; 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KOMATSU, Manabu [JP/JP]; c/o CANON KABUSHIKI KAISHA,

3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP). HASHIMOTO, Hiroyuki [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP).

- (74) Agents: OKABE, Masao et al.; No. 602, Fuji Bldg., 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo, 1000005 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: TEST SPECIMEN AND PRODUCTION THEREOF

### Na MATRIX K MATRIX j= 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10

i= 000000000 00000000 2 000000000 000000000 3 000000000 000000000 000000000 000000000 000000000 000000000 0000000000 000000000 000000000 000000000 8 000000000 000000000 000000000 9 0000000000 000000000 000000000

(57) Abstract: A test specimen is provided which has one or more chemical substances fixed to prescribed plural independent positions on a substrate, and the quantities of the chemical substances fixed at the respective prescribed positions are the total of integer multiples of existence quantity units defined for the respective chemical substances in the range from 1 amol to 1 nmol (excluding the case in which the total quantity is zero).

